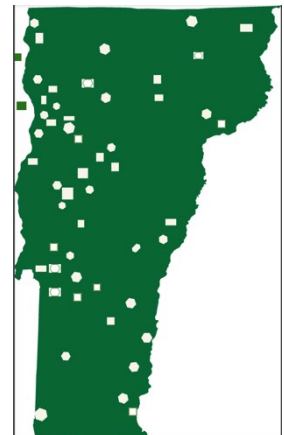


VASE Annual Report for 2022-23

This was an exciting and progressive year for VASE and its membership, having significantly expanded its reach throughout the state of Vermont. In FY2022-23, VASE made improvements to its grants program and funded more grants to schools than ever before resulting in a 312% increase in awards. VASE also supported additional STEM extracurricular programs and public events and is now involved with the Agency of Commerce and Community Development in promoting work force development and job creation in Vermont.

VASE's Fall Annual meeting: VASE's annual business meeting and dinner convened on September 22, 2022, on the Middlebury College campus. Mr. Kyle Clark, CEO of BETA Technologies in Burlington, VT delivered the keynote address entitled "Innovation in a highly regulated industry: A physics-based approach." At the dinner that followed, three new members were inducted into the Academy: Dr. Randall Holcombe, Director of the UVM Cancer Center, Dr. Linda Schadler, Dean of the UVM College of Engineering and Mathematics, and Dr. Regina Toolin, Associate Professor at the UVM College of Education and Social Services. Mr. Greg Wolf of the Frederick H. Tuttle Middle School was also honored as the 2022 recipient of VASE's Outstanding Science Teacher of the Year award.

VASE grants program: In FY2022-23, VASE created a grants review working group for its Small Equipment (SEG) and Hands On Science & Technology (HOST) awards. Together this group worked to streamline the call for applications, improve the application review process, and upgrade grant outcome reports. The response to VASE's fall 2022 grant announcement was positive, totaling 19 competitive SEQ and HOST grants received. The award maximum was \$1500 per proposal and the awards funded by VASE in the fall totaled \$21,200. In the spring call for SEG and HOST grants, VASE received an unprecedented 40 applications. VASE was able to support 15 of these grants totaling \$27,984 for the spring cycle. Taken collectively, VASE awarded \$49,184 in total grant funds in FY 2022-23. Shown in the Vermont state map to the right is the distribution of funded VASE grant support to date.



VASE also went on to secure additional monetary donations from its membership and Board of Directors amounting to \$12,500.00. These monies were allocated to support student group attendance at scientific conferences and/or travel to competitions. Several FIRST groups in VT were among the recipients of these funds which facilitated their travel to the FIRST Robotics World Championships in Houston, TX.

Other VASE accomplishments in FY2022-23:

1. VASE increased its sponsorships of science-related events such as Generator's Reckless Ideas, Girls Who Code, and the VT STEM and North Country Supervisory Union STEM Fairs.
2. VASE formed a new advisory group to help the VT Department of Economic Development attract more STEM businesses and skilled science and engineering professionals to Vermont.
3. VASE expanded its communications by updating its website and distribution lists, and by creating a brochure.
4. VASE continued serving the VT Task Force on Artificial Intelligence (AI) as it explored how to maximize the benefits of AI in Vermont while minimizing the risks. Task force recommendations included the creation of an AI Code of Ethics and a permanent AI commission. Both were enacted into law in VT_ACT_132 which calls out VASE as a required member of the AI Advisory Council.
5. David Bradbury, President of the Vermont Technical Council (VTC) viewed VASE's progress in FY2022-23 as having exceeded expectations. Consequently, VASE was able to secure a second year of support in the amount of \$30,000 from the VTC for VASE's work moving forward.

Looking ahead: Vermont's 2022 Science and Engineering report emphasizes the need to diversify educational pathways for students pursuing STEM careers. VASE's mission moving forward aligns with increasing the number of Vermonters employed in STEM-related fields by fostering K-12 opportunities in STEM throughout the state.

In 2023-24, VASE is committed to growing its marketing, networking, and outreach efforts so that it can achieve financial sustainability. Specifically, VASE will seek 100% support from the VASE Board and call on its membership to pledge its support for VASE's mission. VASE will also be applying for grants from foundations with an interest in STEM while simultaneously engaging the public with a focus on donors with a demonstrated interest in STEM education. Combined with the support of the VTC and that of an anonymous donor, we are confident that VASE can have a significant impact on STEM across the state of Vermont in the coming year. Attached please find VASE's projected budget for 2023-24.

Respectfully submitted,

Grace Spatafora
President, Vermont Academy of Science and Engineering



Vermont Academy of Science and Engineering
Operating Budget (Fiscal year begins July 1)

BUDGET	2021-2022 Actual	2022-2023 Actual	2023-2024 Approved
Beginning Balance	\$6,982	\$25,292	\$ 1,469
INCOME			
VT Technology Council	\$18,000	\$30,000	\$30,000
Contributions from BOD & members	\$ 660	\$ 12,500	\$15,000
Donation to HOST grant program	\$10,000	\$ 5,000	\$ 5,000
Individual/ Corporate Donors	\$ 5,000	\$ 0	\$7,500
Grants			\$7,500
Sponsorship			\$ 5,000
Total Income	\$33,660	\$47,500	\$70,000
EXPENDITURES			
Fall meeting/Public Forum			
Speaker: travel, lodging, honorarium	\$0	\$ 470	\$0
Catering	\$2,749	\$5,011	\$5,000
Conference and Events charge	\$0		\$0
Science Teacher of the Year Award \$1000 per recipient	\$1,000	\$1,000	\$ 1,000
Engraved plaques	\$294		\$ 300
Small Equipment Grants to K-12 Teachers (SEG)	\$2,965	\$24,137	\$20,000
Hands on Science & Technology Grants (HOST)	\$9,000	\$25,147	\$20,000
Sponsorships		\$ 1,750	
Administrative Support	-	\$10,000	\$18,000
VT STEM Fairs Awards	\$0*	\$ 1,450	\$ 1,000
Spring Meeting	\$0*	\$0	\$1,000
Website Maintenance	\$0		\$
Miscellaneous expenses	\$169	\$ 2,144	\$ 2,050
postage, tax filing		\$	\$ 250
office supplies, certificates & frames	\$ 172	\$ 214	\$ 300
other			\$ 1500
Directors & Officers Insurance			\$ 1,400
Total expenditures	\$16,349	\$71,323	\$69,750
BALANCE, fiscal year end	-	\$24,293	\$ 1,469